

Ferrari

Ferrari North America, Inc.

Tuesday, July 13, 1999

99V-166

Via U.S. Mail



Ms. Kathleen DeMeter, Director
Office of Defects Investigation
National Highway Traffic Safety Administration
400 Seventh Street, SW
Washington, D.C. 20590

Ref: Recall Booklets: 166, 167, 168

Dear Ms. DeMeter:

For your records, enclosed please find a copies of the Ferrari North America Recall booklets for Recalls 166, 167, and 168, which have been sent to all of the authorized Ferrari dealers within our network.

Thank you.

Best regards,

Concetta Ciaccio

Concetta Ciaccio
Executive Assistant

Enclosure

QARECALL166166BOOK

RECEIVED
99 JUL 16 PM 1:39
OFFICE
DEFECTS INVESTIGATION

RECALL CAMPAIGN

**REF. NO. 166
POWER STEERING
SYSTEM**

550 MARANELLO

JULY 1999

**READ, INITIAL
AND PASS ON »**

Service Manager	Parts Manager	Service Writer	Technician				Warranty Clerk



Ferrari North America, Inc.

July 1999

Dear Ferrari Dealer:

Ferrari S.p.A., the manufacturer of Ferrari automobiles, has decided that a defect exists in certain 1997-1998 model year Ferrari 550 Maranello vehicles.



On Ferrari vehicles, 1997-1998 model year 550 Maranello, with Vehicle identification Numbers from 107888 to 110167, which have a Vehicle Assembly number from 24719 to 27212, the steering may become stiff. Should such a condition occur, the result would be decreased steering ability during parking procedures.

The remedy consists of replacing the power steering cooling coil, oil tank, oil lines, pump and box as per the attached technical instructions.

The corrective action will require approximately 8.0 hours.

We have accordingly sent notices to all owners of the affected vehicles advising them of this problem and requesting that they contact any Authorized Ferrari Dealer for the repairs, as per the attached notification letter.

Upon transmittal of the repair under the normal warranty system, we will of course reimburse you for the labor necessary to carry out this campaign.

Obviously, if you have any of the affected vehicles in your stock, you must not sell them until you have performed the necessary repairs. If you have already sold any vehicles with the chassis numbers specified in the enclosed instructions and have not yet sent in the retail sales cards, please do so at once so we may notify these owners.

Thank you for your cooperation,

Best Regards,

William S. Story
Director of Technical Services



RECALL CAMPAIGN NO. 166

INTRODUCTION : Ferrari 550 Maranello Power Steering System

SUBJECT : Recall Campaign No. 166

VEHICLES : Ferrari Model year 1997-1998 550 Maranello with Vehicle Assembly Numbers from 24719 to 27212 and Vehicle Identification Numbers from 107888 to 110167.

CONDITION : The steering may become stiff due to overheating of the power steering fluid causing damage to the hydraulic seals in the steering box and pump.

Should such a condition occur, the result would be decreased steering ability during parking procedures.

REMEDY : Replace the power steering cooling coil, oil tank, oil lines, pump and box as per the attached instruction.

PARTS : The new steering components are identified by the following part number :

New Part Number	Quantity	Description
178264	1	Power Steering Update Kit

LABOR :	MEDEA Recall number	1660	Defect Code	01
	Component Code	5195	Cost Code	24
	Labor Operation	51950	Time	8.0 Hours

REIMBURSEMENT : Upon receipt of claim via MEDEA



INSTRUCTIONS FOR POWER STEERING UPDATE KIT REPLACEMENT

A: Preliminary:

The replacement Power Steering Update Kit is supplied as spare part by the part number listed on the previous page.

B: Procedure for installation

WARNING : NO SMOKING

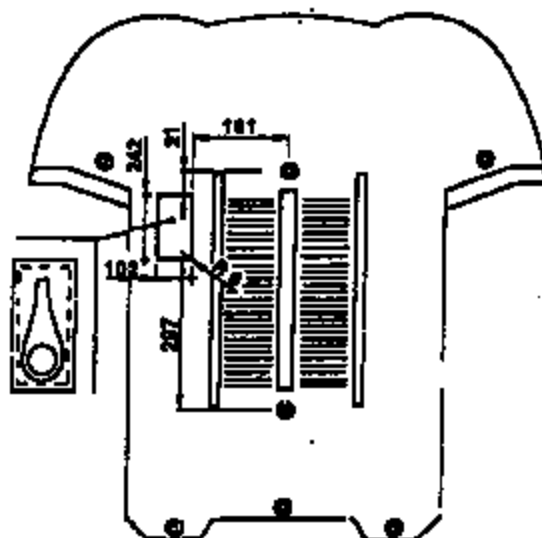


Figure 1

- 1) Remove the front part of the underpanel and suitable modify it with the kit part number 65895400 according to the measurements shown in figure 1.
- 2) Drain the hydraulic oil from the system by removing the pipes 11 and 16 of the power steering pump shown in figure 3.
- 3) During draining, remove the air flow duct from the water/oil radiator in the engine compartment number 46 as shown in figure 2.

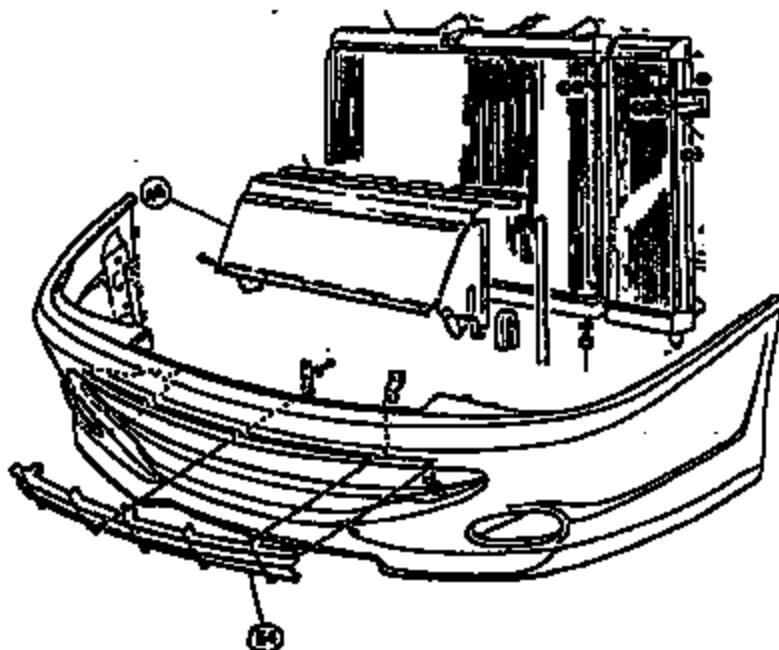


Figure 2



Remove the left side air inlet box

- 5) Remove the grill from the front bumper item 54 in figure 2.
- 6) Remove the old cooling coil part number 170856 and install the new cooling coil part number 177360.

NOTE: Use the additional mounting bracket if necessary to secure the new coil. Make sure that the new coil does not contact any part of the frame or other components.

- 7) Remove the old power steering oil tank and install the new power steering oil tank supplied in the kit.
- 8) Remove the old oil supply lines and install the new oil supply lines as shown as items 11 and 15 in figure 3.

NOTE: To increase the ease of installation, remove the front stabilizer bar from the chassis supports, leaving the suspension joints connected; position the bar by slightly forcing it to its upper limit.

- 9) Remove the complete steering box/cooling coil pipe item 16 from the pipe 13 at the steering box outlet as shown in figure 3.
- 10) Remove and space the steering box from the chassis to disassemble the pipe 8 as shown in figure 3.
- 11) Remove the steering box from the chassis.
- 12) Remove the old power steering pump and replace with the new power steering pump supplied in the kit.
- 13) Fit the new pipe 8 on the new steering box and tighten the coupling to the torque of 25 Nm.
- 14) Fit the pipe 13 to the new steering box to ensure that the outlet banjo bolt can be fitted without interference. Remove the pipe 13 from the steering box.
- 15) Install the new steering box on the chassis replacing the relevant fastening nuts.
- 16) Install the new pipe 13 on the steering box outlet.
- 17) Connect the pipes 8 and 11 to the power steering pump.
- 18) Install the new pipe 16 connecting it to the power steering pump and to the cooling coil.
- 19) Fill the system completely with new oil according to the prescriptions (Shell Donax TA)
- 20) Drain the system completely.
- 21) With the engine off, fill the oil tank to its top level and make three complete lock-to-lock turns of the steering wheel, then restore the level of the tank.
- 22) Start the engine and make a complete lock-to-lock turn of the steering wheel and restore the level of the tank.
- 23) Turn the engine off.
- 24) Make five complete lock-to-lock turns of the steering wheel and restore the level of the tank.



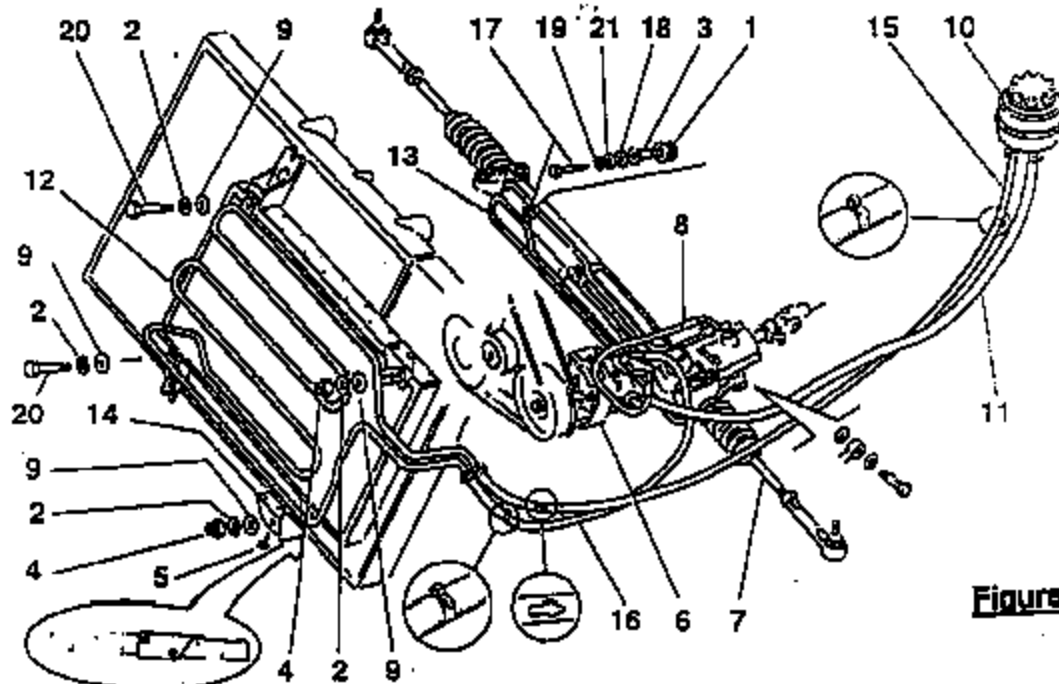
Start the engine and make several more lock-to-lock turns of the steering wheel.

NOTE:

If the power steering system is noisy, repeat steps 24 and 25 until getting non-aerated hydraulic oil. Make sure that there are no leaks.

26) Reassemble the remaining parts in reverse order.

27) Adjust the front wheel setting.



Figure

3

Rit.	N° dis. GS	N° dis. GD	Q.ty	Descrizione	Description
-	178264	178265	1	Kit aggiornamento completo	Complete up-dating kit
-	7000926	-	1	Kit aggiornamento (per D-CH-A)	Up-dating kit (for D-CH-A)
1	103549	-	1	Passalito	Grommet
2	127494	127494	2	Rosetta	Spring washer
3	149707	-	1	Distanziale	Spacer
4	15898214	15898214	1	Dado	Nut
5	165136	165136	2	Vite	Screw
6	170751	170751	1	Pompa servosterzo (solo per kit 178264 e 178265)	Power steering pump (only for kit 178264 and 178265)
7	170858	169888	1	Scatola guida (solo per kit 178264 e 178265)	Steering box (only for kit 178264 and 178265)
8	170860	171813	1	Tubo da pompa a scatola guida	Pipe from pump to steering box
9	12843724	12843724	2	Rosetta	Spring washer
10	170877	170877	1	Serbatoio olio (solo per kit 178264 e 178265)	Oil tank (only for kit 178264 and 178265)
11	170878	173534	1	Tubo	Pipe
12	177360	177360	1	Serpentina raffreddamento olio	Oil cooling coil
13	177395	-	1	Tubo uscita da scatola guida	Outlet pipe from steering box
14	177507	177507	1	Staffa supporto serpentina	Coil supporting bracket
15	178181	178182	1	Tubo completo da serpentina a serbatoio	Complete pipe, coil to tank
16	178183	178184	1	Tubo completo scatola guida-serpentina	Complete pipe, steering box to coil
17	10445224	-	1	Vite	Screws
18	10523424	-	1	Rosetta	Spring washer
19	10615274	-	1	Rosetta dentata	Toothed spring washer
20	10902224	10902224	1	Vite	Screws
21	12642878	-	1	Rosetta tranciata	Split spring washer
-	155567	155567	6	Silentblock	Silentblock
-	170862	170862	1	Raccordo-valvola su ingresso guida	Fitting-valve on steering box inlet
-	14662495	14662495	1	Vite con gabbia	Screws with casing
-	60559100	60559100	1	Dado con gabbia	Nut with casing
-	65895400	65895400	1	Presse aria completa di fissaggi	Air intake with fasteners



Recall 156

List of Affected Serial Numbers

107888	109058	109838
107948	109089	109903
107980	109101	109905
107973	109132	109913
108096	109235	109914
108103	109219	109904
109107	109133	109740
108285	109134	109915
108288	109181	109920
108287	109183	109908
108108	109177	109919
108523	109189	109925
108522	109182	109926
108538	109221	109927
108553	109220	109928
108588	109250	109967
108583	109249	109985
108708	109517	110038
108585	109274	110037
108709	109522	110055
108712	109527	110054
108717	109289	110072
108733	109281	110088
108749	109278	110187
108721	109567	110073
108762	109573	110184
108778	109568	110089
108792	109569	110090
108927	109577	110106
108939	109578	110091
108940	109582	110108
108928	109581	110137
108954	109583	110138
108955	109586	110150
108969	109587	110122
108979	109588	110151
108980	109627	110185
108981	109684	110182
109012	109682	110183
109017	109683	110199
109013	109701	110675
109018	109637	110214
109041	109739	110676
109042	109646	110677
109057	109685	110678
109056	109702	110679



Recall 166

List of Affected Serial Numbers

110686	111828	112480
110687	111841	112479
110688	111856	112482
110689	111855	112485
110701	111870	112484
110702	111842	112481
110704	111883	112768
110703	111779	112769
110793	111780	112785
110823	111781	112784
110896	111792	112770
110925	111793	112786
110940	111794	112800
110953	111795	112801
110954	111830	112802
110968	111831	113138
110987	110939	113140
110982	111832	113142
111042	111844	113141
111043	111845	113143
111044	111174	113144
111047	111846	113145
111050	111880	113173
111138	111881	113148
111215	112189	113337
111225	112209	113338
111263	112219	113336
111264	112220	113339
111317	112231	113340
111333	112232	113344
111361	112233	113341
111348	112244	113342
111347	112245	113343
111362	112246	113407
111318	112247	113408
111374	112271	113409
111375	112272	113411
111382	112273	113410
111391	112286	113413
111386	112287	113412
111573	112450	113516
111572	112477	113517
111588	112483	113518
110909	112481	113519
111627	112478	113520
111614	112496	

Ferrari North America, Inc.

July 1999

«MXFRST» «MXLAST»
«MXADD1»
«MXADD2»
«MXCITY», «MXST» «MXZIP»

Serial Number: «AOMAT»



Dear Ferrari Customer:

This notice is sent to you in accordance with the requirements of The National Traffic and Motor Vehicle Safety Act.

Ferrari S.p.A., the manufacturer of Ferrari automobiles, has decided that a defect, which relates to motor vehicle safety, exists in certain 1997-1998 model year Ferrari 550 Maranello vehicles.

On Ferrari vehicles, 1997-1998 model year 550 Maranello, with Vehicle Identification Numbers from 107888 to 110167, which have a Vehicle Assembly number from 24719 to 27212, the steering may become stiff. Should such a condition occur, the result would be decreased steering ability during parking procedures.

The remedy consists of replacing the power steering cooling coil, oil tank, oil lines, pump and box as per the technical instructions.

Since your car is among those affected by the above condition, we kindly ask you to immediately contact any Authorized Ferrari Dealer in order to arrange an inspection of your automobile and to have the corrective action performed.

The corrective action for the above listed repair will be performed free of charge to you and will require approximately 8.0 hours to complete. Please plan, however, to leave your vehicle with the dealership all day to allow the dealer some flexibility for scheduling your repairs.

By the time you receive this letter, the Authorized Ferrari Dealer will have been supplied with the instructions to perform the repair. If the Dealer fails or is unable to make the necessary repairs free of charge within a reasonable time, or if you have any problem obtaining the needed repair, you should inform the National Headquarters Office of Ferrari North America, Inc.



250 Sylvan Avenue
Englewood Cliffs, NJ 07632

(201) 816-2651 (National Technical Office)

If the affected vehicle is not repaired free of charge to you within a reasonable time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, (NHTSA), 400 Seventh Street, SW, Washington, DC 20590. You may also telephone the Auto Safety Hot line at 800-424-9393 nationally or (202) 366-0123 for Washington, DC area residents.

We urge you to comply with this notice promptly and we apologize for any inconvenience this may cause you.

Best Regards,

William S. Story
Director of Technical Services

WSS: cc